

Customer No.: 31561  
Docket No.: 10465-US-PA  
Application No.: 10/707,354

Clean Version

#### ABSTRACT OF THE DISCLOSURE

A slew rate enhancement circuit of an operational amplifier including a main output stage, a monitoring stage and an assistant output stage is provided. An input voltage of the operational amplifier is detected by the main output stage to decide whether to output a main current to the load or not. The main output stage also generates a push signal and a pull signal according to the input voltage, and thereafter the push signal and pull signal are decayed by the monitoring stage. The decayed push signal and decayed pull signal will turn on or turn off the assistant output stage to decide whether to output an assistant current to the load or not. Specially, the improved compact circuit does not increase static operating current for the original operational amplifier and occupy a small chip area.

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